

Title (en)  
THERAPEUTIC PEPTIDES

Publication  
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Application  
**EP 89912292 A 19891013**

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• US 25799888 A 19881014  
• US 28232888 A 19881209  
• US 31794189 A 19890302  
• US 37655589 A 19890707  
• US 39716989 A 19890821  
• US 8904616 W 19891013

Abstract (en)  
[origin: WO9003980A1] In general, the invention features a linear (i.e., non-cyclic) bombesin analog of biologically active mammalian gastrin-releasing peptide (GRP) and amphibian bombesin, having an active site and a binding site responsible for the binding of the peptide to a receptor on a target cell; cleavage of a peptide bond in the active site of naturally occurring bombesin or GRP is unnecessary for in vivo biological activity. The analog has one of the following modifications: (a) a deletion of a residue within the active site and a modification of a residue outside of the active site, or (b) a replacement of one or two residues within the active site with a synthetic amino acid. The analog is capable of binding to the receptor and acting as a competitive inhibitor of the naturally occurring peptide by binding to the receptor and, by virtue of one of the modifications, failing to exhibit the in vivo biological activity of the naturally occurring peptide.

IPC 1-7  
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IPC 8 full level  
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CPC (source: EP KR)  
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Citation (search report)  
No further relevant documents have been disclosed.

Cited by  
US8414864B2; US7922998B2; US7850947B2; US8444954B2; US7611692B2; US8420050B2; US8420053B2

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**WO 9003980 A1 19900419**; AT E165836 T1 19980515; AU 4494989 A 19900501; AU 638423 B2 19930701; DE 68928667 D1 19980610; DE 68928667 T2 19981001; DK 66391 A 19910614; DK 66391 D0 19910412; EP 0438519 A1 19910731; EP 0438519 A4 19911030; EP 0438519 B1 19980506; FI 104252 B1 19991215; FI 104252 B 19991215; FI 911780 A0 19910412; HK 1010785 A1 19990625; HU 208439 B 19931028; HU 896391 D0 19910729; HU T59420 A 19920528; JP 2919889 B2 19990719; JP H04504406 A 19920806; KR 900701827 A 19901204; MC 2144 A1 19920219; TW 201754 B 19930311

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